OPTIMUM®
MASCHINEN GERMANY

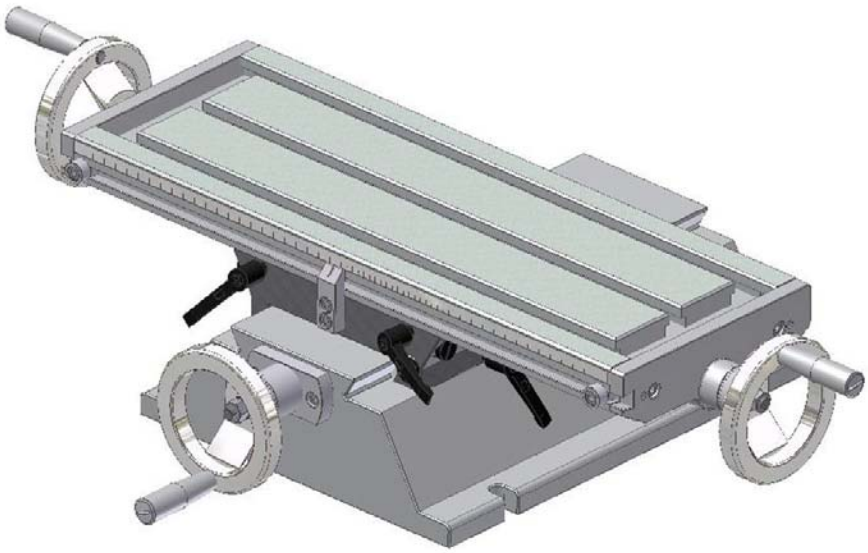
# Technisches Datenblatt / Technical data sheet

Version 1.1

## Kreuztische / Cross table

KT179 Artikel Nr. *Part no.* 3356596

KT180 Artikel Nr. *Part no.* 3356591



# 1 Abmessungen - Dimensions

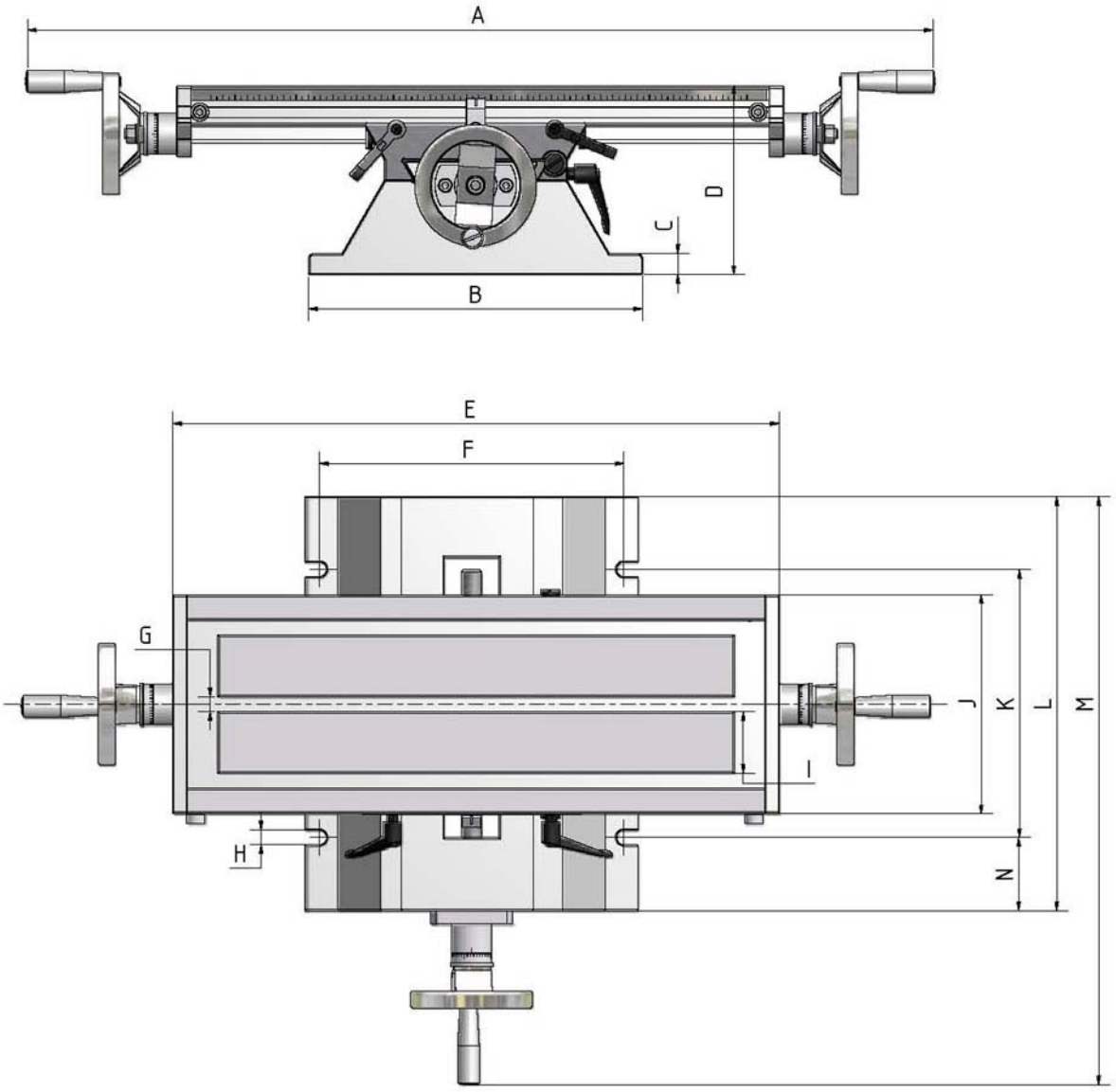



Abb.1-1: Abmessungen - Dimensions

| | A | B | C | D | E | F | G | H | I | J | K | L | M | N |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KT179 | 748 | 274 | 17 | 155 | 500 | 250 | 12 | 12 | 51 | 180 | 220 | 340 | 483 | 60 |
| KT180 | 948 | 274 | 17 | 155 | 700 | 250 | 12 | 12 | 51 | 180 | 220 | 340 | 483 | 60 |

| | Verfahrweg X- Achse/ Travel X axis (mm) | Verfahrweg Y- Achse/ Travel Y axis (mm) | Belastung max./ Load max. (kg) |
|---|---|---|---|
| KT179 | 287 | 167 | 55kg |
| KT180 | 480 | 170 | 55kg |

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## 1.1 Ersatzteilzeichnung - Drawing spare parts

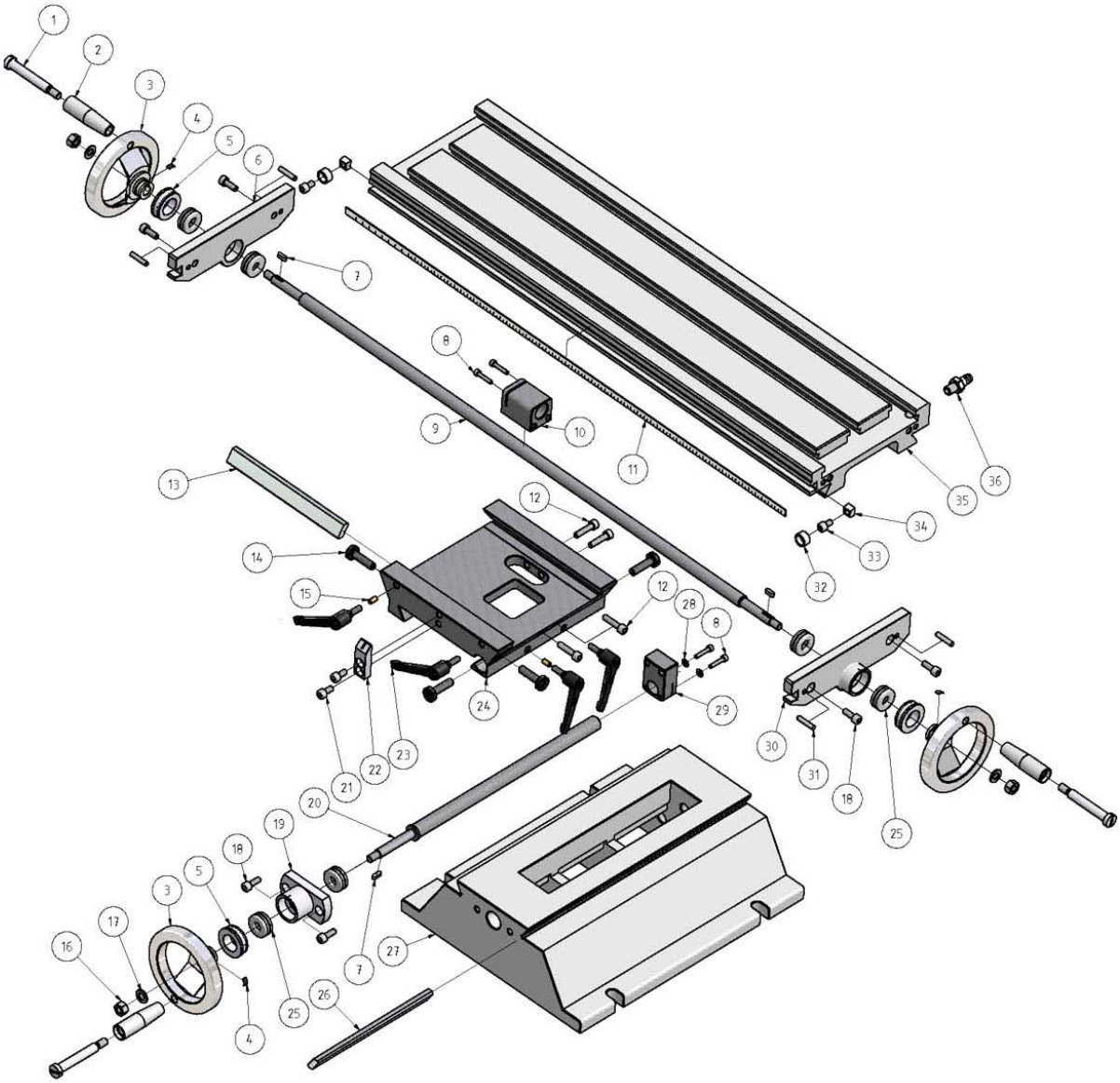


Abb. 1-2: Ersatzteilzeichnung - Drawing spare parts

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## 1.2 Ersatzteile - Spare parts - KT179

| Pos. | Bezeichnung | Designation | Menge/ Quantity | Grösse/ Size | Artikelnummer/ Article no. |
|---|---|---|---|---|---|
| 1 | Schraube | Screw | 3 | | 03356596001 |
| 2 | Griffhülse | Handle sleeve | 3 | | 03356596002 |
| 3 | Handrad Kreuztisch | Handwheel cross table | 3 | | 03356596003 |
| 4 | Federstück | Spring piece | 3 | | 03356596004 |
| 5 | Skalenring | Dial | 3 | | 03356596005 |
| 6 | Lagerbock links X-Achse | Table dial support x axis left | 1 | | 03356596006 |
| 7 | Passfeder | Fitting key | 3 | DIN 6885 - A 4 x 4 x 12 | 03356596007 |
| 8 | Zylinderschraube | Socket head screw | 4 | GB 70-85- M4 x 20 | |
| 9 | Spindel X-Achse | Table lead screw x axis | 1 | | 03356596009 |
| 10 | Spindelmutter X-Achse | Table lead screw nut x axis | 1 | | 03356596010 |
| 11 | Scala X-Achse | Table plate x axis | 1 | | 03356596011 |
| 12 | Zylinderschraube | Socket head screw | 4 | GB 70-85-M6x25 | |
| 13 | Keilleiste X-Achse | Taper gib x axis | 1 | | 03356596013 |
| 14 | Schraube Keilleiste | Gib screw | 4 | | 03356596014 |
| 15 | Messingstift | Brass pin | 4 | | 03356596015 |
| 16 | Sechskantmutter | Hexagon nut | 3 | ISO 4034 - M8 | |
| 17 | Scheibe | Washer | 3 | DIN 125-2 - 8.4 | |
| 18 | Zylinderschraube | Socket head screw | 6 | GB 70-85 - M6 x 16 | |
| 19 | Lagerbock | Saddle dial support | 1 | | 03356596019 |
| 20 | Spindel Y-Achse | Lead screw y axis | 1 | | 03356596020 |
| 21 | Zylinderschraube | Socket head screw | 2 | GB 70-85 - M6 x 12 | |
| 22 | Anschlag Endlage X-Achse | Limit plate x axis | 1 | | 03356596022 |
| 23 | Klemmhebel | Adjust locating handle | 4 | | 03356596023 |
| 24 | Kreuztischführung | Saddle | 1 | | 03356596024 |
| 25 | Axial-Rillenkugellager | Axially grooved ball bearing | 6 | 51200 | 03356596025 |
| 26 | Keilleiste y-Achse | Taper gib y axis | 1 | | 03356596026 |
| 27 | Maschinenfuss | Base | 1 | | 03356596027 |
| 28 | Scheibe | Washer | 2 | DIN 125-2 - A 4.3 | |
| 29 | Spindelmutter Y-Achse | Lead screw nut y axis | 1 | | 03356596029 |
| 30 | Lagerbock rechts X-Achse | Table dial support x axis | 1 | | 03356596030 |
| 31 | Zylinderstift | Cylindrical pin | 4 | GB 119-86 A5x24 | 03356596031 |
| 32 | Hülse Endlagenanschlag X-Achse | Stopper x axis | 2 | | 03356596032 |
| 33 | Zylinderschraube | Socket head screw | 2 | GB 70-85-M6x10 | |
| 34 | Rechteckmutter (Nutenstein) | Wedgy nut | 2 | | 03356596034 |
| 35 | Arbeitstisch | Worktable | 1 | | 03356596035 |
| 36 | Verschraubung Schlauchanschluss | Screw connection hose connector | 1 | M10x1 | 03356596036 |

## 1.3 Ersatzteile - Spare parts - KT180

| Pos. | Bezeichnung | Designation | Menge/ Quantity | Grösse/ Size | Artikelnummer/ Article no. |
|---|---|---|---|---|---|
| 1 | Schraube | Screw | 3 | | 03356591001 |
| 2 | Griffhülse | Handle sleeve | 3 | | 03356591002 |
| 3 | Handrad Kreuztisch | Handwheel cross table | 3 | | 03356591003 |
| 4 | Federstück | Spring piece | 3 | | 03356591004 |
| 5 | Skalenring | Dial | 3 | | 03356591005 |
| 6 | Lagerbock links X-Achse | Table dial support x axis left | 1 | | 03356591006 |
| 7 | Passfeder | Fitting key | 3 | DIN 6885 - A 4 x 4 x 12 | 03356591007 |
| 8 | Zylinderschraube | Socket head screw | 4 | GB 70-85- M4 x 20 | |
| 9 | Spindel X-Achse | Table lead screw x axis | 1 | | 03356591009 |
| 10 | Spindelmutter X-Achse | Table lead screw nut x axis | 1 | | 03356591010 |
| 11 | Scala X-Achse | Table plate x axis | 1 | | 03356591011 |
| 12 | Zylinderschraube | Socket head screw | 4 | GB 70-85-M6x25 | |
| 13 | Keilleiste X-Achse | Taper gib x axis | 1 | | 03356591013 |
| 14 | Schraube Keilleiste | Gib screw | 4 | | 03356591014 |
| 15 | Messingstift | Brass pin | 4 | | 03356591015 |
| 16 | Sechskantmutter | Hexagon nut | 3 | ISO 4034 - M8 | |
| 17 | Scheibe | Washer | 3 | DIN 125-2 - 8.4 | |
| 18 | Zylinderschraube | Socket head screw | 6 | GB 70-85 - M6 x 16 | |
| 19 | Lagerbock | Saddle dial support | 1 | | 03356591019 |
| 20 | Spindel Y-Achse | Lead screw y axis | 1 | | 03356591020 |
| 21 | Zylinderschraube | Socket head screw | 2 | GB 70-85 - M6 x 12 | |
| 22 | Anschlag Endlage X-Achse | Limit plate x axis | 1 | | 03356591022 |
| 23 | Klemmhebel | Adjust locating handle | 4 | | 03356591023 |
| 24 | Kreuztischführung | Saddle | 1 | | 03356591024 |
| 25 | Axial-Rillenkugellager | Axially grooved ball bearing | 6 | 51200 | 03356591025 |
| 26 | Keilleiste y-Achse | Taper gib y axis | 1 | | 03356591026 |
| 27 | Maschinenfuss | Base | 1 | | 03356591027 |
| 28 | Scheibe | Washer | 2 | DIN 125-2 - A 4.3 | |
| 29 | Spindelmutter Y-Achse | Lead screw nut y axis | 1 | | 03356591029 |
| 30 | Lagerbock rechts X-Achse | Table dial support x axis | 1 | | 03356591030 |
| 31 | Zylinderstift | Cylindrical pin | 4 | GB 119-86 A5x24 | 03356591031 |
| 32 | Hülse Endlagenanschlag X-Achse | Stopper x axis | 2 | | 03356591032 |
| 33 | Zylinderschraube | Socket head screw | 2 | GB 70-85-M6x10 | |
| 34 | Rechteckmutter (Nutenstein) | Wedgy nut | 2 | | 03356591034 |
| 35 | Arbeitstisch | Worktable | 1 | | 03356591035 |
| 36 | Verschraubung Schlauchanschluss | Screw connection hose connector | 1 | M10x1 | 03356591036 |